

Supplementary text on figures and references

Note: This is the supplementary material to be inserted in the main article .Figures are to be placed in the space provided and references are to be placed at the end of the article under heading “References and further reading”.

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Fig.1 shows the topological mapping of a 3-D distorted 2- sphere.

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Fig. 4 shows cross section of a arbitrary figure cut by a plane

5. Figure 5

Fig. 5 shows diagrammatic representation of application of LSP on a cross section of a plane of a solid figure.

6. Figure 6

Fig. 6 shows representation of a loop tracing of a continuous curve

7. Figure 7

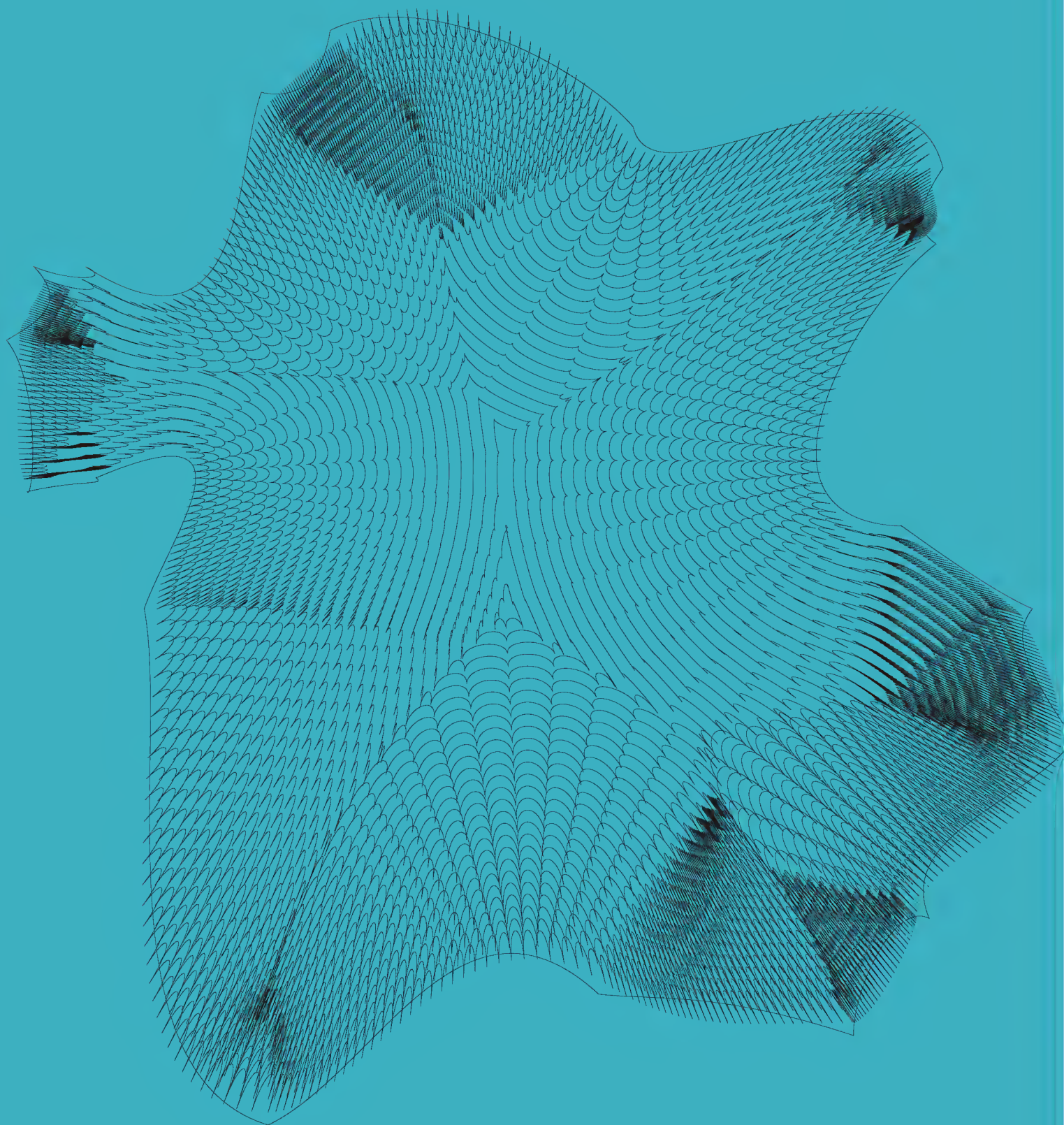
Fig. 7 shows LSP on a plane cross section of a dumb-bell

8. Figure 8

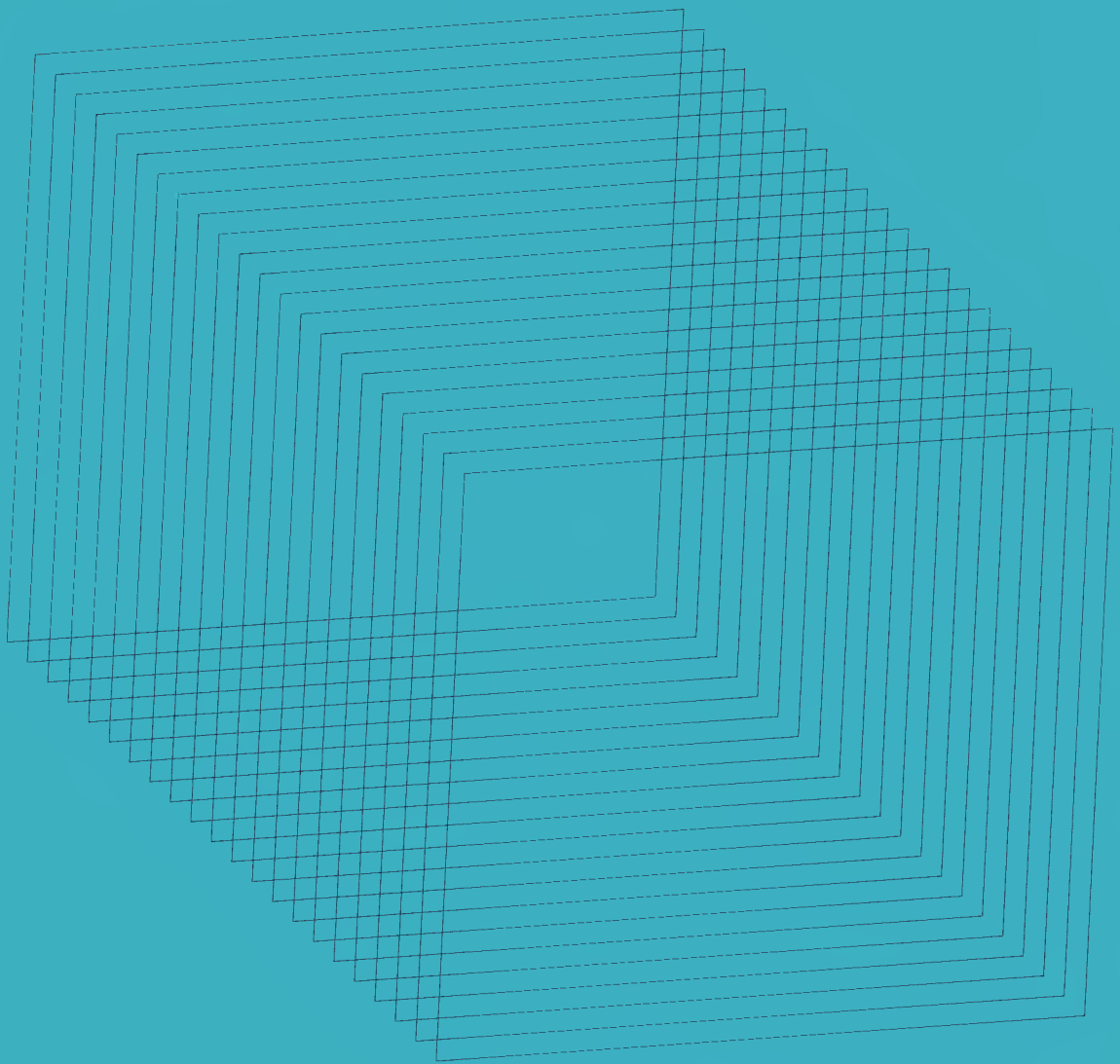
Fig.8 shows visualization of a 3-sphere

A distorted 2-sphere

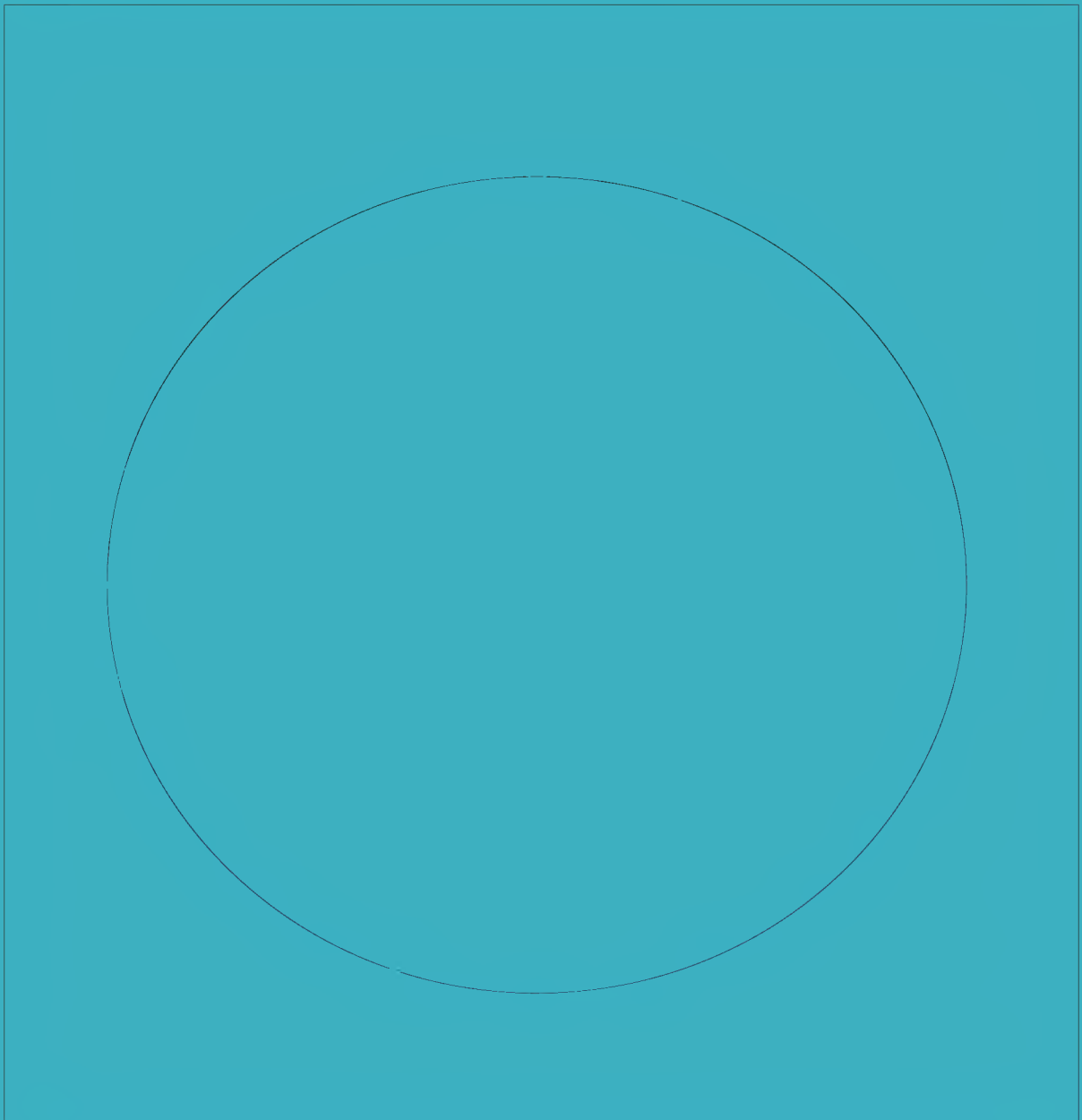
[Fig.1]



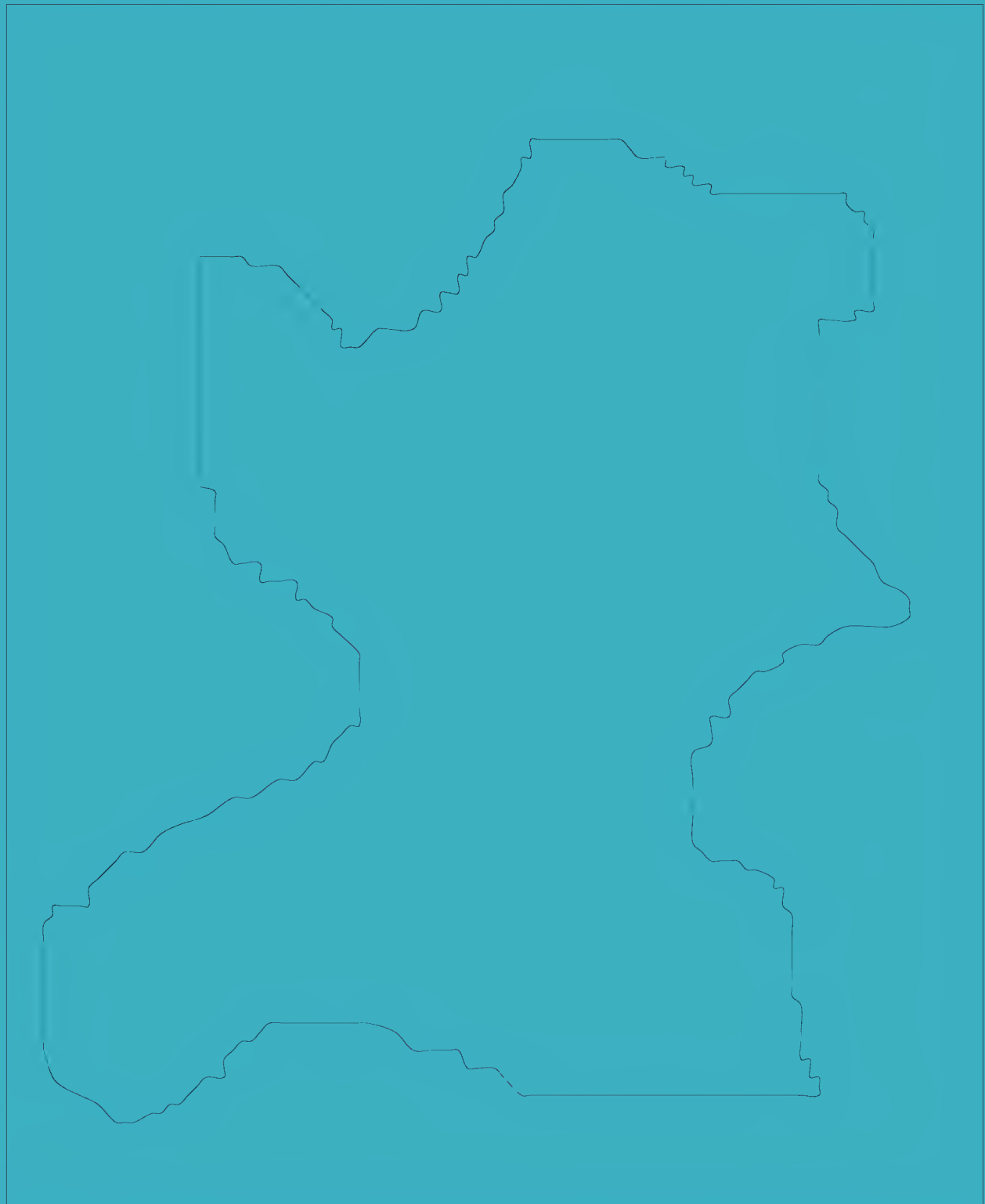
Construction of a 2-manifold with the help of infinite 1- manifolds [Fig.2]



Cross section of a sphere cut by a plane
[Fig.3]



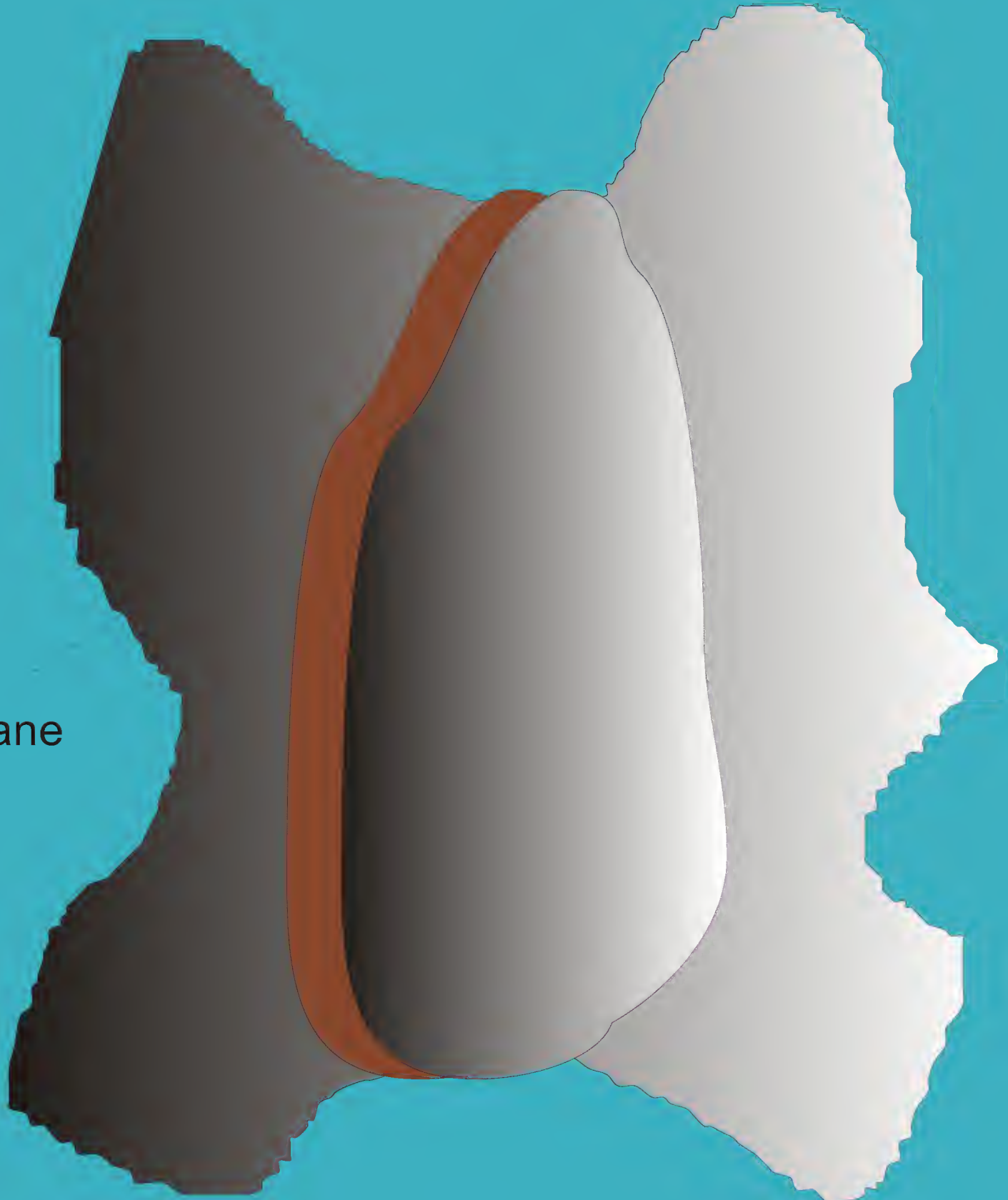
Cross section of a arbitrary figure cut by a plane
[Fig.4]



Diagrammatic representation of application of LSP on a cross section of a plane of a solid figure. Fig.[5]

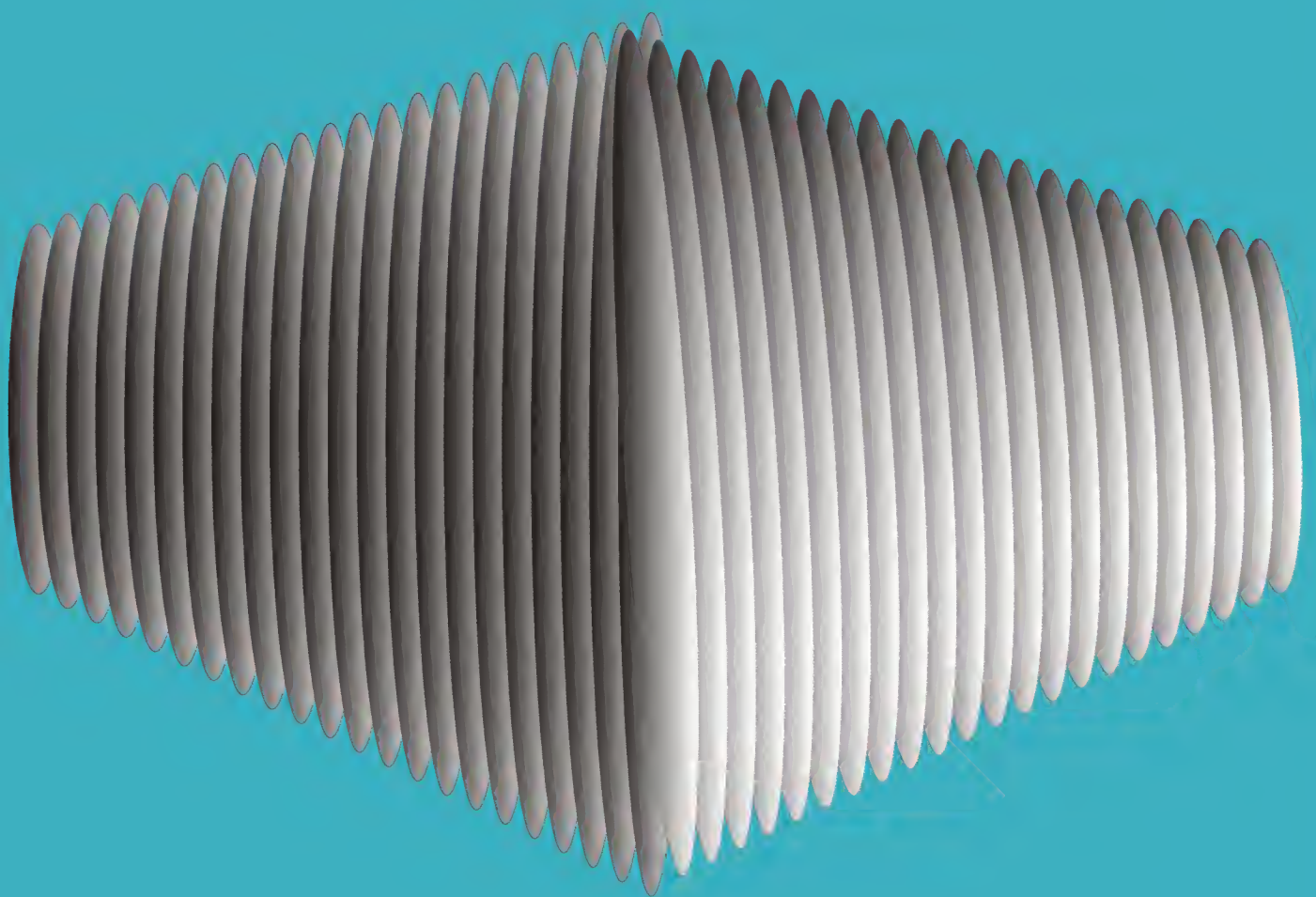
Loop

Plane

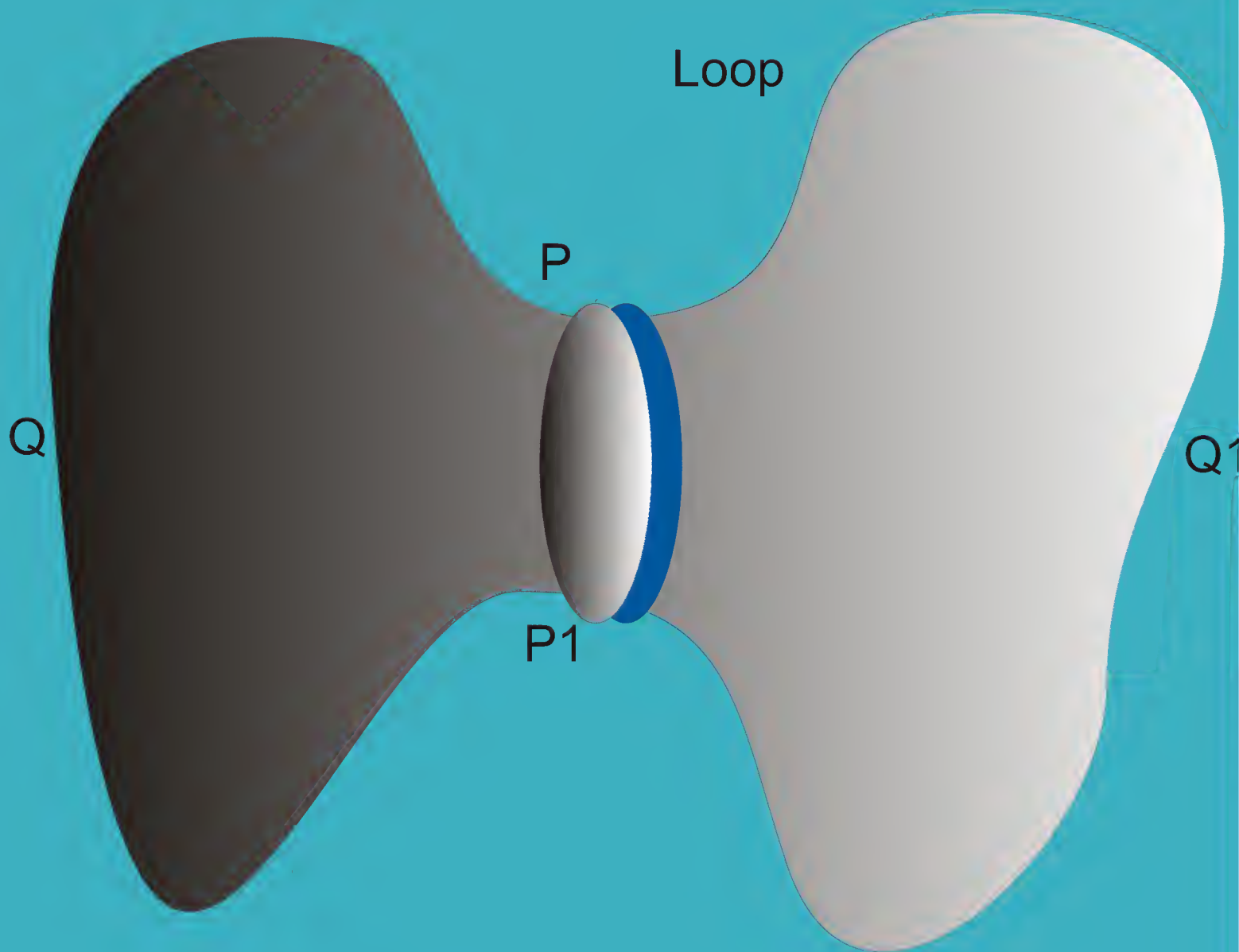


Representation of a loop tracing of a continuous curve

Fig.6



LSP on a plane cross section of a usual
dumb-bell [Fig.7]



Dumb-bell shape

Visualization of a 3-sphere [Fig.8]

